



## PAN & TILT WIRELESS INTERNET CAMERA

### 3G MOBILE SUPPORT

View a live camera feed from your compatible 3G mobile phone or PDA <sup>1</sup>

### PANT/TILT/ZOOM

Enable high resolution monitoring while expanding the survey area with motorized pan/tilt and 4x zoom <sup>2</sup>

### MOTION TRIGGERED RECORDING

Starts recording and sends e-mail alerts upon motion detection

### POWERFUL SURVEILLANCE

IP surveillance systems are quickly gaining ground over conventional CCTV security cameras due to superior performance and reduced cost. The D-Link DCS-5220 wireless Internet camera is a powerful surveillance system that features 802.11g wireless connection and the ability to view live video streams from a 3G mobile phone or PDA. Designed as a standalone system complete with CPU and web server, light sensitive lens, motorized pan/tilt, digital zoom, and advanced video/sound surveillance remote monitoring utility, and this camera presents a powerful yet low-cost solution for demanding home/office security needs.

### SHARP IMAGE MONITORING FROM DIFFERENT ANGLES

Equipped with a light sensitive lens, this camera is capable of capturing video in rooms with minimal lighting. It features a motorized pan/tilt capability, allowing images to be monitored from different angles, and a digital zoom for greater remote viewing options. This camera allows users to monitor video and audio using an Internet browser from any where in the world. Simple installation procedures, along with the built-in web-based interface, offer easy integration to any network environments.

### VIEW LIVE VIDEO FROM 3G MOBILE PHONE

The live camera feed of the camera can be pulled from the 3G cellular network by using a compatible cell phone or PDA with a 3G video player. From anywhere within the 3GPP service area, users are offered a flexible and convenient way to remotely monitor a home or office in real time.

### WIRED & WIRELESS ACCESS

For effective surveillance in and around a building, this camera comes with a built-in high-speed 802.11g wireless network interface, allowing images to be transmitted at up to 54Mbps wireless speed. In addition, a 10/100BASE-TX Ethernet port is also provided for convenient connection to an Ethernet network or to a broadband Internet via a gateway router. The camera can be accessed and viewed from any network place as a device on the network

### INTELLIGENT & EASY TO USE

Instead of recording 24 hours a day, 7 days a week, images can be recorded to a computer hard drive only when motions are detected. This saves disk space and eliminates the time wasted to view unnecessary images. Images can be recorded manually or according to a pre-set schedule. Playback consumes little time with triggered event browsing and fast database searching. Software is included to let users view up to 16 cameras on a single computer screen at one central location. Users can set up automated e-mail alerts for sending through the Internet to be alarmed instantly of all unusual happenings. The camera adheres to the Universal Plug-n-Play specification, which allows computers running Windows XP/ME to automatically recognize the camera and add it to the network. By signing up with one of the many free Dynamic DNS services available on the web, users can assign an easy-to-remember name and domain to the camera (e.g. [www.mycamera.myddns.com](http://www.mycamera.myddns.com)). This allows them to remotely access the camera without having to remember the IP address, even if their Internet Service Provider has changed it.

#### WHAT THIS PRODUCT DOES

The D-Link DCS-5220 Wireless Internet Camera is a cost-effective yet powerful security solution for home office and small to medium-sized businesses. With 3G video support, it is a full-featured surveillance system that connects to your Ethernet or 802.11g wireless network to provide remote monitoring over the Internet. Use the motorized pan/tilt controls with 4x digital zoom to zoom in on images and take snapshots directly from a web browser. Enable one-way audio and listen to any activity within close proximity to the camera's built-in microphone.

#### REMOTE MONITORING OPTION

The DCS-5220 features 3G mobile video support, enabling you to view a live video feed from your camera on a compatible 3G mobile phone or PDA anywhere in your 3G coverage area. The 3G mobile video support expands the functionality of the DCS-5220, allowing you to monitor a remote location without using a computer or available Internet connection. IP surveillance software is also included to manage up to 16 cameras simultaneously from your computer, send automated e-mail alerts, and record video to your hard drive when motion is detected.



## TECHNICAL SPECIFICATIONS

### NETWORK PROTOCOL SUPPORT

- + TCP/IP, RTSP, RTP, RTCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, DDNS, PPPoE

### BUILT-IN NETWORK INTERFACES

- + 802.11g wireless LAN
- + 10/100BASE-TX Ethernet port

### VIDEO ALGORITHM SUPPORT

- + JPEG for still image
- + Enhanced video compression using MPEG4 Simple Profile

### VIDEO RESOLUTION

- + Up to 30fps at 160 x 120
- + Up to 30fps at 176 x 144
- + Up to 30fps at 320 x 240
- + Up to 30fps at 640 x 480

### VIDEO FEATURES

- + Adjustable image size and quality
- + Time stamp and text overlays
- + 3 configurable motion detection windows
- + Flip & mirror

### VIDEO BIT RATE

- + 20K to 4M

### CAMERA SPECIFICATIONS

- + 1/4-inch CMOS sensor
- + 1 Lux @ F2.0
- + AGC/AWB/AES
- + Electronic shutter: 1/60 to 1/15000 sec.
- + Standard fixed mount type lens 4mm, F2.0
- + 62° field of view

### PAN/TILT/ZOOM

- + Pan range: +/- 150°
- + Tilt Range: +90° to -45°
- + Digital zoom: 4x

### AUDIO

- + Sample rate: 16K to 128K (AAC), 4.75K to 12.2K (GSM-AMR)

### MICROPHONE

- + Directivity: omni-directional
- + Frequency: 50 to 16000Hz
- + S/N ratio: more than 58dB

### SECURITY

- + Administrator and user group protected
- + Password authentication
- + Wireless LAN security: 64/128-bit WEP and WPA-PSK data encryption

### SURVEILLANCE SOFTWARE FUNCTIONS

- + Remote management/control of up to 16 cameras
- + Viewing of up to 16 cameras on one screen
- + Supports all management functions provided in web interface
- + Scheduled motion triggered, or manual recording options

### REMOTE MANAGEMENT

- + Configuration accessible via web browser
- + Take snapshots/video clips and save to local hard drive via web browser

### SURVEILLANCE

(Motion detection weekly schedule)

- + Upload snapshots/video clips via email
- + Upload snapshots/video clips via FTP

### VIEWING SYSTEM REQUIREMENTS

- + Operating System: Microsoft Windows XP, 2000
- + Browser: Internet Explorer v6.0 or above

### SUPPORTED PDA, MOBILE PHONES & SOFTWARE

- + Handsets with 3GPP player
- + Packet Video Player 3.0
- + QuickTime 6.5
- + Real Player 10.5
- + Windows 2000, XP

#### YOUR NETWORK SETUP



#### WIRELESS LAN

##### RADIO AND MODULATION SCHEMES

- + 802.11b: DQPSK, DBPSK and CCK
- + 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM

##### OPERATING FREQUENCY

2400 to 24835MHz

##### WIRELESS DATA RATES

- + 802.11b: 11, 5.5, 2 and 1Mbps
- + 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps

##### RECEIVER SENSITIVITY

- + 802.11b:
  - 11 Mbps (CCK): -84dBm
  - 5.5 Mbps (CCK): -86dBm
  - 2 Mbps (DQPSK): -88dBm
  - 1 Mbps (DBPSK): -90dBm

(typically @PER < 8% packet size 1024 and @25° C + 5° C)
- + 802.11g:
  - 54 Mbps (OFDM): -66dbm
  - 48 Mbps (OFDM): -70dbm
  - 36 Mbps (OFDM): -76dbm
  - 24 Mbps (OFDM): -79dbm
  - 18 Mbps (OFDM): -83dbm
  - 12 Mbps (OFDM): -85dbm
  - 9 Mbps (OFDM): -86dbm
  - 6 Mbps (OFDM): -86dbm

(typically @PER < 10% packet size 1024 and @25° C + 5° C)

##### Transmitter Output Power

- + 802.11b: 16dBm (typical)
- + 802.11g: 12dbm (typical)

##### Antennas

2dBi Gain dipole antenna with reverse SMA plug

#### PHYSICAL & ENVIRONMENTAL

##### DIAGNOSTIC LED

2 color LED

##### POWER INPUT

- + 12VDC 1.5A
- + Through 100 to 240 VAC 50/60Hz 0.4A external power adapter

#### POWER CONSUMPTION

4.8 watts

#### DIMENSIONS

110 (H) x 105 (W) x 112 (D) mm  
(4.33 x 4.13 x 4.41 inches)

#### WEIGHT

393 grams (0.87 lb)

#### OPERATION TEMPERATURE

0° to 40° C (32° to 104° F)

#### STORAGE TEMPERATURE

-20° to 70° C (-4° to 158° F)

#### HUMIDITY

20% to 80% non-condensing

#### EMISSION (EMI), SAFETY & OTHER CERTIFICATIONS

- + FCC Class B
- + IC
- + CE
- + C-Tick

#### RADIO

EN 300 328-2 (07-2000)

#### SAFETY

EN60950

#### PACKAGE INCLUDES

- + DCS-5220 camera
- + External power adapter
- + Cat. 5 Ethernet cable
- + Quick Installation Guide
- + Master CD
- + Dipole antenna
- + Camera stand



ACN 052 202 838



<sup>1</sup> The mobile device must have 3G support and subscribe to 3G service from the phone service provider. The playback device must be equipped with 3G video playback such as RealPlayer TM or PacketVideo TM.

<sup>2</sup> 4x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 4 times.

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